Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Project Division Yelahanaka

Name of Work: Modified Estimate for Improvements of roads and drains at Chokkanahalli surrounding area in Ward No.05 (Jakkur) Byatarayanapura Sub division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1,KPWD SR 2018 19) 8km lead= 57+2.0x1.28x8 = 77.48								
	CC Drain								
	Chokkanahalli Mn Rd								
	LHS	1	458.70	1.10	1.10	555.03			
	RHS	1	462.80	1.10	1.10	559.99			
	Mathru Condiment Rd								
	LHS	1	103.70	1.10	1.10	125.48			
	RHS	1	91.00	1.10	1.10	110.11			
	Chokkanahalli Layout Mn Rd								
	LHS	1	507.40	1.10	1.10	613.95			
	RHS	1	283.00	1.10	1.10	342.43			
	2nd Cross Road								
	LHS	1	43.00	1.00	1.10	47.30			
	RHS	1	52.20	1.00	1.10	57.42			
	Muneshwara Temple Road								
	RHS	1	151.10	1.10	1.10	182.83			
	Chokkanahalli Mn Rd From End								
	LHS	1	130.00	1.10	1.10	157.30			
	Over Burden Earth	8	3.00	2.50	0.75	45.00			
		8	7.00	2.00	1.00	112.00			
		6	5.50	4.20	0.45	62.37			
	Culvert	14	6.15	1.50	1.10	142.07			
						3113.27	**Cum**	**226.00**	**703599.47**
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18,KPWD SR 2018-19)								
	CC Drain								
	Chokkanahalli Mn Rd								
	LHS	1	458.70	1.10	0.15	75.69			
	RHS	1	462.80	1.10	0.15	76.36			
	Mathru Condiment Rd								
	LHS	1	103.70	1.10	0.15	17.11			
	RHS	1	91.00	1.10	0.15	15.02			
	Chokkanahalli Layout Mn Rd								
	LHS	1	507.40	1.10	0.15	83.72			

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	M.S								
	2nd Cross Road	1	283.00	1.10	0.15	46.70			
	LHS								
	RHS	1	43.00	1.00	0.15	6.45			
	Muneshwara Temple Road	1	52.20	1.00	0.15	7.83			
	RHS								
	Chokkanahalli Mn Rd From End	1	151.10	1.10	0.15	24.93			
	LHS								
	Culvert	1	130.00	1.10	0.15	21.02			
		14	6.15	1.50	0.15	19.37			
						394.19	Cum	5691.78	2243665.53
3	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio (I No-28.8.2,P No-229,KPWD SR 2018-19)								
	Consider 60Kg/Cum								
	Consider 90Kg/Cum	1	714.18	60.00		42850.71			
		1	42.45	90.00		3820.26			
						46670.97			
						46.67	Tn	75927.20	3543595.85
4	Providing and laying **plain/reinforced cement concrete** for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271,KPWD SR 2018-19)								
	CC Drain Raft								
	Chokkanahalli Mn Rd								
	LHS	1	458.70	0.90	0.15	61.92			
	RHS	1	462.80	0.90	0.15	62.48			
	Mathru Condiment Rd								
	LHS	1	103.70	0.90	0.15	14.00			
	RHS	1	91.00	0.90	0.15	12.29			
	Chokkanahalli Layout Mn Rd								
	LHS	1	507.40	0.90	0.15	68.50			
	RHS	1	283.00	0.90	0.15	38.21			
	2nd Cross Road								
	LHS	1	43.00	0.75	0.15	4.84			
	RHS	1	52.20	0.75	0.15	5.87			
	Muneshwara Temple Road								
	RHS	1	151.10	0.90	0.15	20.40			
	Chokkanahalli Mn Rd From End								
	LHS	1	130.00	0.90	0.15	17.55			
	CC Drain Wall								

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	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Chokkanahalli Mn Rd								
	LHS	2	458.70	0.15	0.60	82.57			
	RHS	2	463.80	0.15	0.60	83.30			
	Mathru Condiment Rd								
	LHS	2	103.70	0.15	0.60	18.67			
	RHS	2	91.60	0.15	0.55	15.07			
	Chokkanahalli Layout Mn Rd								
	LHS	2	507.40	0.15	0.60	91.33			
	RHS	2	283.00	0.15	0.60	50.94			
	2nd Cross Road								
	LHS	2	43.00	0.15	0.55	7.10			
	RHS	2	52.20	0.15	0.55	8.61			
	Muneshwara Temple Road								
	RHS	2	151.10	0.15	0.60	27.20			
	Chokkanahalli Mn Rd From End								
	LHS	2	130.00	0.15	0.60	23.40			
						714.18			
	Culvert Raft	14	6.15	1.20	0.20	20.66			
	Culvert Wall	28	6.15	0.23	0.55	21.78			
						42.45			
						756.63	**Cum**	**7422.13**	**5615775.05**
5	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	CC Drain Top Covering Slab								
	Chokkanahalli Mn Rd								
	LHS	1	458.70	0.90		412.83			
	RHS	1	457.60	0.90		411.84			
	Mathru Condiment Rd								
	LHS	1	103.70	0.90		93.33			
	RHS	1	83.60	0.90		75.24			
	Chokkanahalli Layout Mn Rd								
	LHS	1	489.50	0.90		440.55			
	RHS	1	282.30	0.90		254.07			
	2nd Cross Road								
	LHS	1	30.50	0.75		22.88			
	RHS	1	52.20	0.75		39.15			
	Muneshwara Temple Road								
	RHS	1	151.10	0.90		135.99			
	Chokkanahalli Mn Rd From End								
	LHS	1	130.00	0.90		117.00			
						2002.88	**Sqm**	**2453.33**	**4913713.32**
6	Providing and Fixing pre cast **covering Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge ,KPWD SR 2018-19								

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Name of Work: Box Culvert at Kaverappa Layout

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
Culvert Top Slab	14	6.15	1.20		103.32			
					103.32	Sqm		
	Upto 1.5m				87.60	Sqm	5681.60	497641.60
	Above 1.5m				15.72	Sqm	6418.00	100890.96
							Total Construction Cost	598532.56
							Utility Shifting,Miscellaneous and Rounding off	321.44
							GRAND TOTAL	598854.00

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